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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

First Named Inventor

Nathaniel J. Fisch

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Segmented Electrode Hall Thruster with Reduced Plume

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number
or Bar Code Label OR Correspondence address below

Name **Nathaniel J. Fisch**

Address **105 Fitzrandolph Road**

City Princeton	State New Jersey	ZIP 08540
-----------------------	-------------------------	------------------

Country USA	Telephone 609-924-5384	Fax 609-243-2662
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :	<input type="checkbox"/> A petition has been filed for this unsigned inventor
----------------------------------	---

Given Name Nathaniel J. (first and middle [if any])	Family Name Fisch
---	--------------------------

Inventor's Signature 	Date 4/12/01
---	---------------------

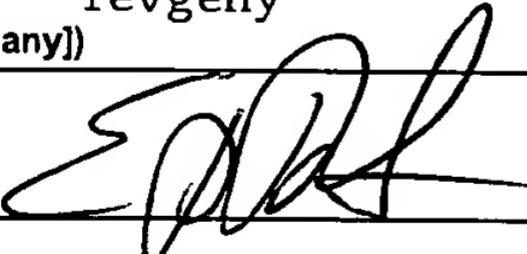
Residence: City Princeton	New Jersey State	USA Country	U.S. Citizenship
----------------------------------	---------------------	----------------	---------------------

Mailing Address **105 Fitzrandolph Road**

City Princeton	New Jersey State	ZIP 08540	Country US
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NAME OF SECOND INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
--------------------------	---

Given Name Yevgeny (first and middle [if any])	Family Name Raitses
--	----------------------------

Inventor's Signature 	Date 4/12/01
---	---------------------

Residence: City Princeton	New Jersey State	USA Country	Israeli Citizenship
----------------------------------	---------------------	----------------	------------------------

Mailing Address **5-Y Hibben Apartments, Faculty Road**

City Princeton	New Jersey State	ZIP 08540	US Country
-----------------------	---------------------	------------------	---------------

Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PATENTS ONLY

Tab settings □ □ □ □ □

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Nathaniel J. Fisch
Yevgeny Raitses

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: _____

2. Name and address of receiving party(ies)

Name: Nathaniel J. Fisch

Internal Address: 105 Fitzrandolph Road

Princeton, NJ 08540

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

60/197,280
filed 4/14/2000

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nathaniel J. Fisch

Internal Address: 105 Fitzrandolph Road

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$355.00

Enclosed

Authorized to be charged to deposit account

Street Address: 105 Fitzrandolph Road

8. Deposit account number:

City: Princeton State: NJ ZIP: 08540

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Nathaniel J. Fisch

Name of Person Signing

Signature

4/12/01

Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments